Multipure®

MULTIPURE™

Multipure Aquaversa and Aquaperform Drinking Water Systems- Countertop Models

For Model Nos. MP750SC, MPCT, and MP880SC

OWNER'S MANUAL

Please retain this manual for future reference.

Multipure Corporation ● P.O. Box 34630 ● Las Vegas, NV 89133-4630
Phone 702.360.8880 ● Toll-Free 800.622.9206
www.multipure.com

Multipure Drinking Water Systems

Thank you for selecting a Multipure Drinking Water System to meet your need for quality drinking water. You have acquired one of the finest drinking water treatment devices available for the reduction of a wide array of contaminants. We are confident that your Multipure System will make a difference in your life. Thank you for your business.

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I.A. Warranty

Multipure 90-Day Guarantee: Multipure demonstrates its confidence in the performance of its Drinking Water Systems by offering its 90 day money-back guarantee. If you should find the Drinking Water System unsatisfactory, let us know within thirty days of purchase, and we will promptly exchange it or refund your money.

Multipure Warranty: Multipure Corporation warrants to the original retail customer its Drinking Water Systems and components to be free of defects in material and workmanship for use under normal care, and will repair or replace any System at no charge (excluding transportation to Multipure headquarters) to the customer during the warranty period. The Drinking Water System stainless steel housing is warranted for for a lifetime (provided that filter has been changed at least once per year); all exterior hoses and attachments to the System are also warranted for defects in material and workmanship for one year.

Multipure Solid Carbon Block Filters are warranted for defects in material and workmanship for use under normal care. The capacity of the filter cartridge depends upon the amount of impurities in the water to be processed. For optimum performance, it is essential that the Solid Carbon Block Filter cartridge be replaced annually or when it has processed its listed capacity, whichever comes first.

Except as otherwise expressly provided above, Multipure Corporation makes no warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose, to any person. This limited warranty may not be altered, varied or extended except by a written instrument executed by Multipure Corporation. The remedy of repair or replacement as provided under this limited warranty is exclusive. In no event shall Multipure Corporation be liable for any consequential or incidental damages to any person whether occasioned by negligence of the manufacturer, including without limitation damages of loss of use, cost of substitution, property damage, or other monetary loss.

I.B. Operation and Maintenance Specifications

Multipure Drinking Water Systems have been extensively tested and certified by independent agencies so as to provide you with the highest level of assurance that the device will perform as claimed. Please read this manual carefully before proceeding with the installation. Installation, operation and maintenance requirements are essential to the performance of your Drinking Water System. Failure to follow any instructions or operating parameters contained herein may lead to the product's failure and possible damage to property.

	MP750 Countertop Models
Model Numbers	MP750SC, MPCT
Approximate Filter Capacity	750 gallons
Replacement Filter Type	CB6
Approximate Flow Rate @ 60 psi	0.75 gpm
Housing Composition	Stainless Steel
Rubber Items	Nitrile
Inlet	1/8" pipe
Outlet	1/8" Pipe
Maximum Working Pressure	100 psi/ 7.0 kg/cm²
Minimum Working Pressure	30 psi/ 2.1 kg/cm²
Maximum Operating Temperature	100° F/38°C-for cold water use only
Minimum Operating Temperature	32°F/0°C - for cold water use only
Particle Retention Size	sub micron (0.5 micron)
Certified by:	NSF International

	MP880 Countertop Model
Model Numbers	MP880SC
Approximate Filter Capacity	600 gallons
Replacement Filter Type	CB11As
Approximate Flow Rate @ 60 psi	1.0 gpm
Housing Composition	Stainless Steel
Rubber Items	Nitrile
Inlet	1/8" Pipe
Outlet	1/8" Pipe
Maximum Working Pressure	100 psi/ 7.0 kg/cm²
Minimum Working Pressure	30 psi/ 2.1 kg/cm²
Maximum Operating Temperature	100° F / 38°C - for cold water use only
Minimum Operating Temperature	32°F / 0°C - for cold water use only
Particle Retention Size	sub micron (0.5 micron)
Certified by:	NSF International

NOTES

1. Replacement filters can be purchased directly from Multipure Corporation. The replacement filter model numbers are shown in the adjacent tables.

2. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. Replace the filter cartridge when the first of the following occurs: (a) annually; (b) when the unit's rated capacity is reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
   The rated capacity of the filter cartridge is 750 gallons for Models MP750SC and MPCT; capacity of the MP880SC is 600 gallons.

3. Not intended to be used where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

4. Do not allow water to freeze in the unit. If unit is exposed to freezing temperatures, drain water from unit and remove filter.

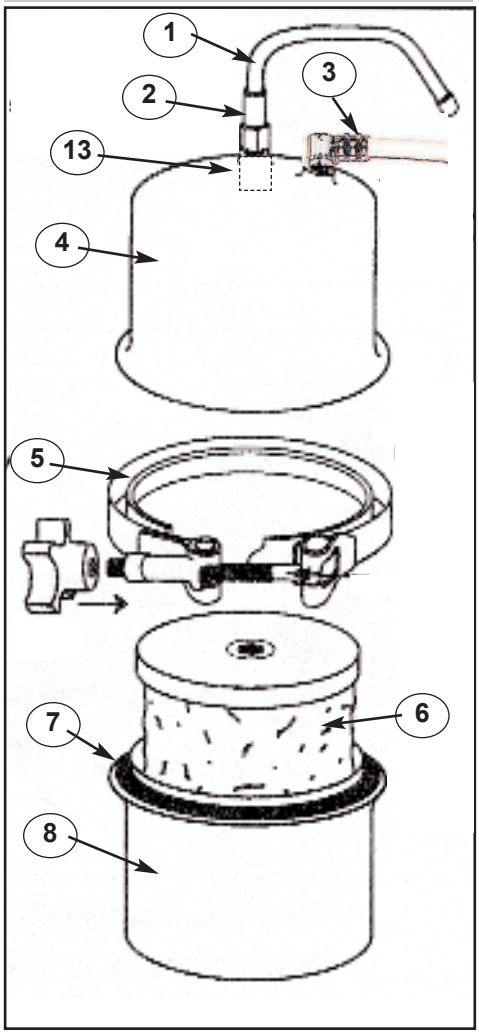
5. Do not allow water to sit in unit for extended periods of time (10 or more days) without being used. If unit is to be left unused for more than 10 days, drain all water from the system and remove the filter. Upon your return, reconnect the filter in the housing and continue use. In the event water does sit in the unit for 10 or more days, the system should be flushed by allowing water to flow to waste for about 3 minutes; then continue use as normal.

6. To dispose of the used filter, remove it from the housing and place the old filter in your normal refuse. The filter disposed of in a normal land fill will not release any chemical contamination but will probably continue to adsorb additional contaminants that are disposed of in landfills.

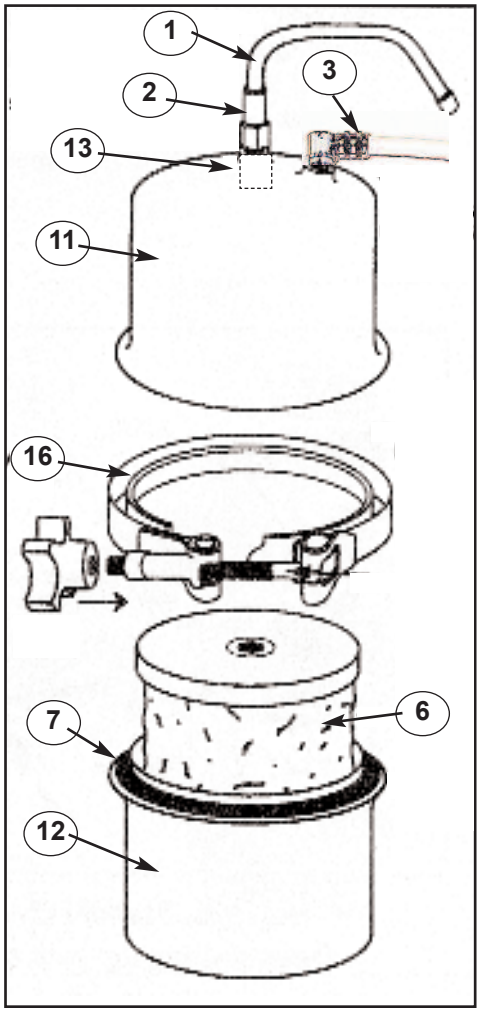
7. Check for compliance with state and local laws and regulations.

I.C. Installation Overview & Part Numbers

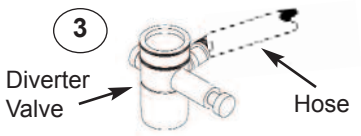
Model MP750SC



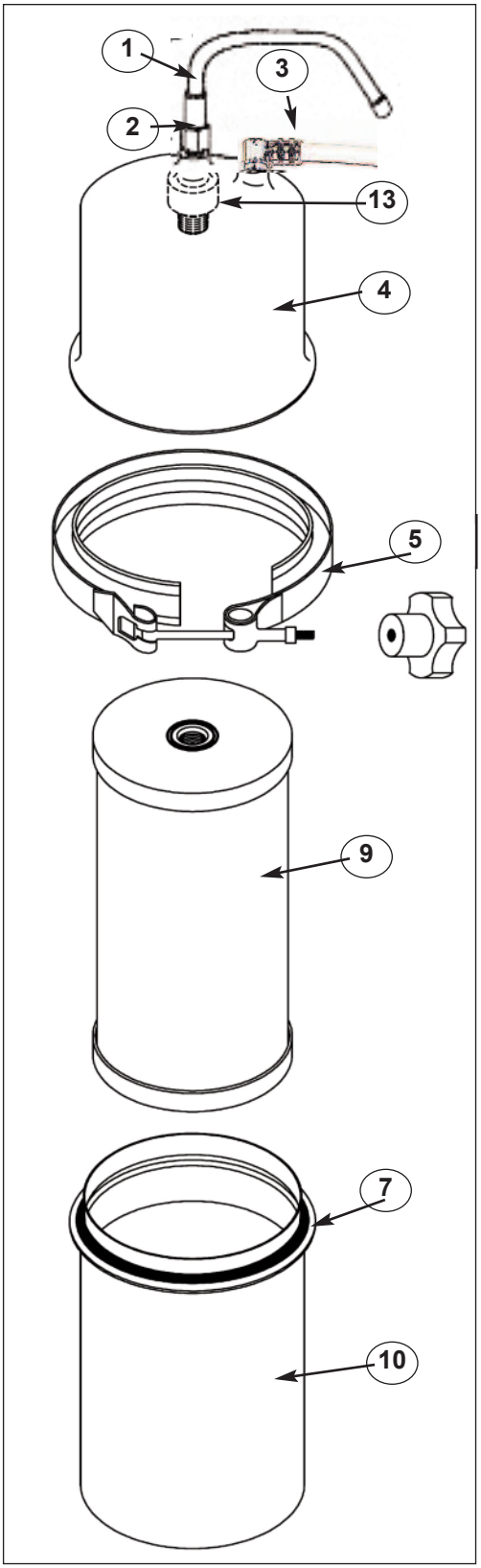
Model MPCT (for countertop use only)



Diverter Valve



Model MP880SC



Part Numbers

1.	MC557	Spout
2.	MC750	Spout Connector
3.	MC6009	Hose and Diverter Valve
4.	MCL500	Housing Top
5.	MC253BS	Locking V-Band for MP750SC
6.	CB6	Filter Cartridge
7.	MC351	O-ring
8.	MCB750	MP750 Housing Bottom
9.	CB11As	Arsenic Filter
10.	MCB880F	MP880 Housing Bottom
11.	MCLCT	MPCT Housing Top
12.	MCBCT	MPCT Housing Bottom
13.	MC252	Black Rubber Cushion (inside housing top)
14.	MC700	Standard Adapters (*see page 6)
15.	001-25-4300	Acrylic base for MP880 (not shown)
16.	MC253CT	Locking V-Band for MPCT

II. Countertop Installations - Preparing the Housing

The Models MP750SC, MPCT, and MP880SC Drinking Water Systems are designed for use on the countertop adjacent to your sink. Countertop models offer outstanding performance and high-quality features. Designed for convenience, countertop units are easily attached to most faucets without the use of special tools. Multipure's countertop models include easy-to-use diverters that allow you to switch from filtered to unfiltered water.

Your Countertop Unit is shipped with the accessories and fittings required to complete the installation.

Should you require assistance, please contact your Independent Distributor; if she/he is not able to help you, please feel free to contact Multipure's Customer Service Department.

Please follow the easy procedures outlined in this manual to assure a smooth installation and system start-up.

Model MP750SC

1. **Inspect your Drinking Water System to confirm that it has been received in good condition and that all parts are included (see diagrams and parts list on page 4).**
2. **Determine the type of unit you will be installing and the installation procedures to follow.**
3. **Review the instructions for your type of unit.**

We recommend that you proceed with your installation in the following order:

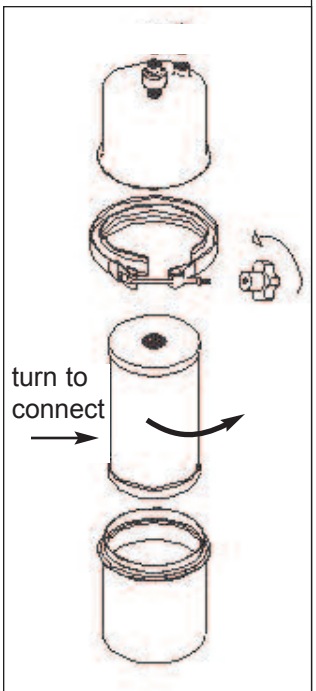
1. **Installing the Filter**
2. **Connecting the Hose and Diverter Valve to Your Faucet**
3. **Connecting the drinking water system**
4. **Start-up and Use of Your Countertop Drinking Water System**

Filter Cartridge Installation

The filter cartridge is shipped outside of the unit housing (in most cases) to protect your filter and drinking water system from damage during shipping. Be sure to insert the filter cartridge into the drinking water system housing before proceeding with the installation.

First, remove the plastic wrapper and instruction wrap from around the filter.

1. With the housing in an upright position, open the unit by unscrewing the black knob on the Locking V-Band. Spread it apart and remove the Locking V-Band.
2. Separate the unit, leaving the black o-ring in place on the housing.
3. Screw the new filter (cartridge) in the housing top, turning the cartridge until firm. Be sure that the filter has been screwed in STRAIGHT. DO NOT OVER TIGHTEN.
4. Reconnect the housing top with bottom and replace Locking V-Band; replace black knob and turn until tight. Be sure that the Locking V-Band is fastened tightly by:
   a. Checking the V-Band to confirm that it is secured evenly around the housing top and bottom.
   b. Hand-tightening the black knob on the V-Band until it is as tight as possible.



III. Connecting the Hose and Diverter Valve to Your Faucet

Countertop models sit on the counter next to the sink and are connected with a hose and diverter valve to your existing faucet.

1. The water at your sink should be turned off.
2. Remove the aerator or screen from the end of your faucet.
3. Attach the Diverter Valve directly to the faucet spout. If the threads of the Diverter Valve don't match the threads of your faucet, use one of the adapters provided with your unit.

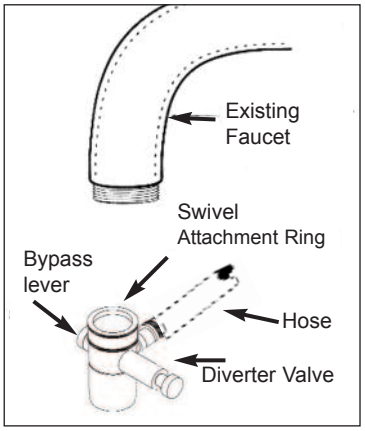
   a. Faucets with Outside Threads: For most faucets with outside threads, the diverter valve can be attached directly to the faucet. However, if the Diverter Valve is smaller than your faucet, attach the adapter with inside threads directly to your faucet and then attach the Diverter Valve to the adapter.

   b. Faucets with Inside Threads: If your faucet has threads on the inside, attach one of the two adapters with outside threads (choose the appropriate size for your faucet) directly to your faucet and then attach the Diverter Valve to the adapter.

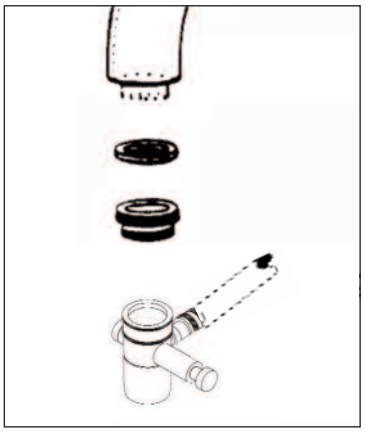
   c. Faucets with No Threads: If your faucet has no threads, you will need to measure the inside neck diameter of the faucet and provide this information to your Multipure Distributor or Multipure's Customer Service Department.They will provide you with a special expandable adapter to fit your faucet in exchange for the adapters shipped with the unit.

   d. Faucets with Odd Sized Threads: If your faucet does not fit any of the adapters provided with your unit, send your threaded aerator or screen to your Multipure Distributor so that he can supply you with the correct adapter to meet your needs. We recommend that you first call the Multipure Customer Service Department at 800-622-9206, ext.175.

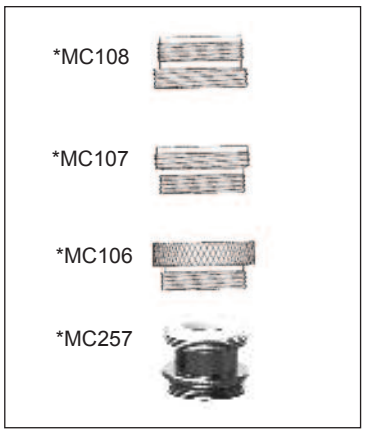
   e. Faucets requiring more clearance for the connection, such as sprayer hose faucets, would use a long adapter (*MC257). See installation instructions below.



Diverter Valve Attachment



Diverter Valve Attachment with adapter



*MC 700 - Adapters (choose one) Many installations do not require an adapter

Instructions for Installing a Long Adapter

The long adapter (*MC257) shown in Fig. 1 is used to connect the Hose & Diverter Valve assembly to your faucet or sprayer hose faucet, needing more clearance for the connection.

Fig. 1

1. Remove the aerator or screen from your faucet.
2. Take the long adapter and attach it to the opening of the spout/sprayer then connect the Hose & Diverter Valve assembly to the adapter (Fig. 2).
3. Position the Drinking Water System on the sink to allow enough room to use the sprayer faucet.

Fig. 2

** Adapters are not included as part of the NSF Unit Certification.*

IV. Connecting your Drinking Water System to Faucet

IV.A Connecting Model No. MP750SC

This stainless steel unit comes with the hose assembly attached to the housing top, and the unit sits on the countertop next to your sink. This model may be converted to below sink use with the purchase of a conversion kit. See Section II for instructions on installing the filter cartridge in the housing. To complete the installation and engage the unit:

1. Connect the spout to the housing top by pushing it gently into the spout assembly until both o-rings are not visible.

2. Turn on the water and push the bypass lever of the diverter valve to start the flow of water through the unit.

3. For Start-up instructions, see Section V.

IV.B Connecting Model No. MPCT (For Countertop Use Only)

This stainless steel unit comes with the hose assembly attached to the housing top, and the unit sits on the countertop next to your sink. See Section II for instructions on installing the filter cartridge in the housing. To complete the installation and engage the unit:

1. Connect the spout to the housing top by pushing it gently into the spout assembly until both o-rings are not visible.

2. Turn on the water and push the bypass lever of the diverter valve to start the flow of water through the unit.

3. For Start-up instructions, see Section V.

IV.C Connecting Model No. MP880SC

This stainless steel unit comes with the hose assembly attached to the housing top, and the unit sits on the countertop. The unit may be converted to below sink use with the purchase of a conversion kit. See Section II for instructions on installing the filter cartridge in the housing. To complete the installation and engage the unit:

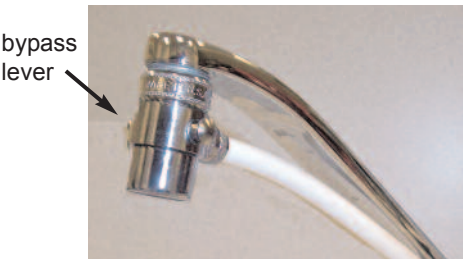
1. Connect the spout to the housing top by pushing it gently into the spout assembly until both o-rings are not visible.

2. Turn on the water and push the bypass lever of the diverter valve to start the flow of water through the unit.

3. For Start-up instructions, see Section V.

V. Start-up and Use of Your Countertop Drinking Water System

Congratulations, your Drinking Water System has been connected to your faucet and you are now ready to start-up the unit, as follows:



1. Using a paper towel or cloth, dry off all connections.
2. Also, dry off the drinking water unit.
3. Ensure that all connections are tight (CAUTION: DO NOT OVER TIGHTEN).
4. Turn on the water.
5. Push the bypass lever of the diverter valve to start the flow of water through the unit.
6. Allow the water to run through the unit spout for about 5 minutes (10 minutes for MP880SC) so that all air can escape.
7. Push the bypass lever of the diverter valve to shutoff the flow of water through the Drinking Water System. Then turn off the faucet to stop the flow of water at your sink.
8. Check all connections to confirm that there are no leaks.
9. Allow water to run through the unit to waste for approximately 20 minutes (30 minutes for MP880SC) to flush the filter and charge the carbon.
10. Push the bypass lever of the diverter valve to shutoff the flow of water through the Drinking Water System. Then shut off the water at your faucet and check for leaks.

Congratulations, you have completed the installation.

For optimum performance and to maintain the warranty on your Multipure Drinking Water System, it is recommended that your filter be replaced on a regular basis. Filter life will vary depending on amount of water used and the type and level of contaminants in your local water.

If you have any questions regarding the installation of your countertop unit, call:

Multipure Corporation
Customer Relations Department
7251 Cathedral Rock Drive
Las Vegas, NV 89128
702.360.8880 phone
800.622.9206 toll-free
702.360.8575 fax
email: custsvc@multipure.com
www.multipure.com

VI. Filter Life

Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. Claims of capacity are not applicable to contaminants reduced by mechanical filtration because of broad variations in the quality and quantity of physical matter in your drinking water. Your Multipure filter will clog, protecting you from these contaminants, and your flow rate diminishes. For contaminants reduced by adsorption, filter life/capacity is: Model Nos. MP750SC and MPCT is 750 gallons; capacity for Model MP880SC is 600 gallons.

It is recommended that filters be replaced annually or sooner if needed. For optimum performance and to maintain your warranty, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the unit's rated capacity is reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.

If you have any questions regarding the installation of your Multipure Drinking Water System, please call Multipure's Customer Relations Department toll-free (800) 622-9206 ext. 175.

For a Replacement Filter: Call 800.622.9208 or go to
www.multipure.com/rf.html

VII Product Registration

Thank you for choosing Multipure Water Systems. Multipure is committed to providing the highest level of customer service. Please register your purchase with us so that we can better serve you should you need assistance. There are two ways to register your product purchase:

1. **Register online at www.multipure.com/productreg.html**
2. **Register by mail**

Please complete the below form and mail to:

Multipure Corporation
Customer Service Department
7251 Cathedral Rock Drive
Las Vegas, NV 89128

Name:		
Address (number and street):		
City:	**State:**	**Zip:**
Telephone Number:	**Date of Purchase:**	
E-mail address:		
Distributor's Name (person from whom you purchased the Multi-Pure unit):		

Thank you. We appreciate your taking the time to register your purchase. The information you provide to us is used only by Multipure to provide you with service. Your information is not shared with any other entity.

VIII. Instructions for Changing Your Filter

INSTRUCTIONS - STAINLESS STEEL MODELS

1. Remove plastic wrapper and instruction wrap.
2. It may be advisable to place a pan beneath the housing before opening it.
3. Confirm that water is off. Shut off diverter valve by pushing inward on the stem.
4. **Go to Item #7 to continue the instructions for the countertop models.**
5. Open drinking water faucet to relieve pressure.
6. Remove Drinking Water System (Unit) from bracket (if mounted) by tilting the top of the Unit towards the wall and slide locking V-band of unit up and into upper notch; slide unit out of bracket. (See Fig. B)
7. With the housing in an upright position, open the unit by unscrewing the black knob on the Locking V-Band, and spread it apart and remove the Locking V-Band. (See Fig. C)
8. Separate the unit, leaving the black O-Ring in Place.
9. Remove the old filter (cartridge) from the unit housing by turning the cartridge in the direction shown in Fig D.
10. Wrap the used filter in paper and dispose of in your normal refuse.
11. Clean and rinse out the inside of the housing.
12. Inspect the rubber cushion; it is recommended that the cushion be replaced every two to three years. To order a replacement part, request product code No. MC252 (See Fig. D). The new MC252 is black.
13. Screw new filter (cartridge) in the housing top by turning the cartridge as shown in Fig E until firm; however, DO NOT OVER TIGHTEN.
14. Reconnect the housing top with bottom and replace Locking V-Band; replace black knob and turn until tight.
15. Be sure that the Locking V-Band is fastened tightly by:
    a. Check the V-Band to confirm that it is secured evenly around the housing top and bottom.
    b. Hand-tighten the black knob on the V-Band until it is as tight as possible.
16. Turn on water going to the Drinking Water System (unit) and start the flow of water through the unit.
17. Allow water to run through the unit spout/faucet for about 5 minutes (10 minutes for MP880SC) so that all air can escape.
18. Then turn off the water to the spout/faucet.
19. Check all connections to confirm that there are no leaks.
20. Flush the filter and charge the carbon by allowing water to run to waste for about twenty 20 minutes (30 minutes for MP880SC).
21. Shut off the flow of water through the Drinking Water System.
22. Check for leaks.

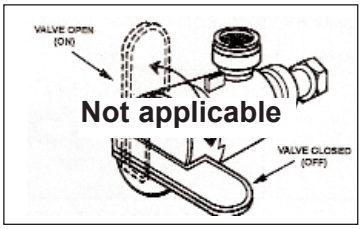


Fig. A

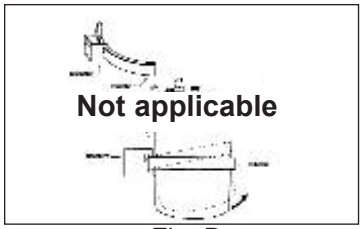


Fig. B

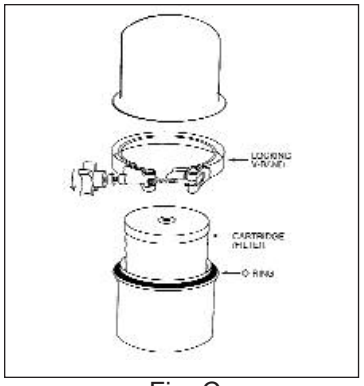


Fig. C

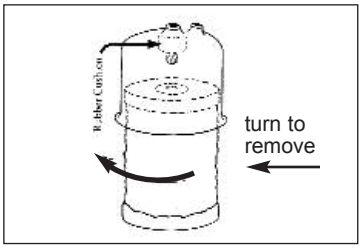


Fig. D

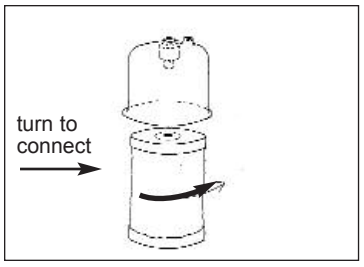


Fig. E

IX. Certification

Multipure Drinking Water Systems
Product Performance Tested and Certified

Multipure Drinking Water Systems have been tested and certified by NSF International to comply with NSF/ANSI Standards 42 and 53 for the reduction of specific contaminants being considered as established or potential health hazards.

Standard 42, Aesthetic Effects

System tested and certified by NSF International against NSF/ANSI Standard 42 for the reduction of:

- Chloramine
- Chlorine taste and odor
- Nominal Particulate reduction, class I

Standard 53, Health Effects

System tested and certified by NSF International against NSF/ANSI Standard 53 for the reduction of:

- Arsenic V (MP880SC only)
- Asbestos
- Cyst
- Mercury
- PCB
- Turbidity
- Chlordane
- Lead
- MTBE
- Toxaphene
- VOC (listed below)
- Radon (MP750 Series only)

Volatile Organic Chemicals (VOC) includes:

Disinfection By-Products
chloropicrin
haloacetonitriles (HAN):
- bromochloroacetonitrile
- dibromoacetonitrile
- dichloroacetonitrile
- trichloroacetonitrile

haloketones (HK):
- 1,1-dichloro-2-Propanone
- 1,1-trichloro-2-Propanone

trihalomethanes (THMs; TTHMs):
- bromodichloromethane
- bromoform
- chloroform
- dibromochloromethane

tribromoacetic acid

Chemicals
benzene
carbon tetrachloride
chlorobenzene
1,2-dichloroethane
1,1-dichloroethylene
cis-1,2-dichloroethylene
1,2-dichloropropane
cis-1,3-dichloropropylene
ethylbenzene
hexachlorobutadiene
hexachlorocyclopentadiene
simazine
styrene
1,1,2,2-tetrachloroethane
tetrachloroethylene
toluene
trans-1,2-dichloroethylene
1,2,4-trichlorobenzene
1,1,1-trichloroethane
1,1,2-trichloroethane
trichloroethylene
xylenes (total)

Herbicides
alachlor
atrazine
2,4-D
dinoseb
pentachlorophenol
2,4,5-TP (silvex)

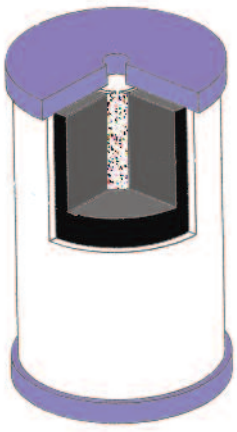
Pesticides
carbofuran
dibromochloropropane (DBCP)
o-dichlorobenzene
p-dichlorobenzene
endrin
ethylene dibromide (EDB)
heptachlor
heptachlor epoxide
lindane
methoxychlor

Filter Model CB11As is used in Model MP880SC.

In addition to reducing the contaminants listed above, Model MP880SC is also certified to reduce Arsenic V.

Claims of capacity are not applicable to contaminants reduced by mechanical filtration because of broad variations in the quality and quantity of physical matter in your drinking water.

Filter Model CB6 used in Model Nos. MP750SC and MPCT



Performance Data Sheet

Multipure Drinking Water Systems have been tested and certified under NSF/ANSI Standard Nos. 53 as shown below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 53, Health Effects.

For Model Nos. MP750SB, MP750SC, MPCT, MP750SI, MP1200EL

Substance	Percent Reduction**	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
ALACHLOR*	>98%	0.05	0.001
ASBESTOS	>99.9%	10^7 to 10^8 fibers/L; fibers greater than 10 micrometers in length	99% reduction requirement
ATRAZINE*	>97%	0.1	0.003
BENZENE*	>99%	0.081	0.001
BROMODICHLOROMETHANE (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan)*	>99%	0.19	0.001
CARBON TETRACHLORIDE*	98%	0.078	0.0018
CHLORDANE	>99.5%	0.04 +/-10%	0.002
CHLOROBENZENE (Monochlorobenzene)*	>99%	0.077	0.001
CHLOROPICRIN*	99%	0.015	0.0002
CHLOROFORM (TTHM)* (surrogate chemical)	>99.8%	0.300 +/- 0.30	0.015
Cryptosporidium (CYST)	99.95%	minimum 50,000/mL	99.95%
CYST (Giardia; Cryptosporidium; Entamoeba; Toxoplasma)	99.95%	minimum 50,000/mL	99.95%
2, 4-D*	98%	0.110	0.0017
DBCP (see Dibromochloropropane)*	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE)*	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE)*	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane)*	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP)*	>99%	0.052	0.00002
o-DICHLOROBENZENE (1,2 Dichlorobenzene)*	>99%	0.08	0.001
p-DICHLOROBENZENE (para-Dichlorobenzene)*	>98%	0.04	0.001
1,2-DICHLOROETHANE (1,2-DCA)*	95%	0.088	0.0048
1,1-DICHLOROETHYLENE (1,1-DCE)*	>99%	0.083	0.001
CIS-1,2-DICHLOROETHYLENE*	>99%	0.17	0.0005
TRANS-1,2- DICHLOROETHYLENE*	>99%	0.086	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride)*	>99%	0.08	0.001
CIS-1,3- DICHLOROPROPYLENE*	>99%	0.079	0.001
DINOSEB*	99%	0.17	0.0002
EDB (see ETHYLENE DIBROMIDE)*	>99%	0.044	0.00002
ENDRIN*	99%	0.053	0.00059
Entamoeba (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
ETHYLBENZENE*	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB)*	>99%	0.044	0.00002
Furadan (see CARBOFURAN)*	>99%	0.19	0.001

***Percent reduction reflects actual performance of Multipure product as specifically tested (at 200% of capacity, i.e. 1500 gallons). Percent reduction shown for VOCs* reflects the allowable claims for Volatile Organic Chemicals/Compounds as per Tables. Chloroform was used as a surrogate for VOC reduction claims, the Multipure Systems' actual reduction rate of Chloroform was >99.8% as tested (at 200% of capacity).*

X. Performance Data Sheet (continued)

Substance	Percent Reduction**	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
Giardia Lamblia (see CYST)	>99.95%	minimum 50,000/mL	99.95%
HALOACETONITRILES (HAN)*			
BROMOCHLOROACETONITRILE	98%	0.022	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006
DICHLOROACETONITRILE	98%	0.0096	0.0002
TRICHLOROACETONITRILE	98%	0.015	0.0003
HALOKETONES (HK):*			
1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
HEPTACHLOR*	>99%	0.25	0.00001
HEPTACHLOR EPOXIDE*	98%	0.0107	0.0002
HEXACHLOROBUTADIENE (Perchlorobutadiene)*	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE*	>99%	0.060	0.000002
LEAD (pH 6.5)	>99.3%	0.15 +/- 10%	0.010
LEAD (pH 8.5)	>99.3%	0.15 +/- 10%	0.010
LINDANE*	>99%	0.055	0.00001
MERCURY (pH 6.5)	>99%	0.006 +/- 10%	0.002
MERCURY (pH 8.5)	>99%	0.006 +/- 10%	0.002
METHOXYCHLOR*	>99%	0.050	0.0001
Methylbenzene (see TOLUENE)*	>99%	0.078	0.001
Monochlorobenzene (see CHLOROBENZENE)*	>99%	0.077	0.001
MTBE (methyl tert-butyl ether)	>96.6%	0.015 +/- 20%	0.005
POLYCHLORINATED BIPHENYLS (PCBs , Aroclor 1260)	>99.9%	0.01 +/- 10%	0.0005
PCE (see TETRACHLOROETHYLENE)*	>99%	0.081	0.001
PENTACHLOROPHENOL*	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLOROBUTADIENE)*	>98%	0.044	0.001
Propylene Dichloride (see 1,2 -DICHLOROPROPANE)*	>99%	0.080	0.001
RADON	>94.9%	4000 ± 1000 pCi/L	300 pCi/L
SIMAZINE*	>97%	0.120	0.004
Silvex (see 2,4,5-TP)*	99%	0.270	0.0016
STYRENE (Vinylbenzene)*	>99%	0.15	0.0005
1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE)*	95%	0.084	0.0046
TCE (see TRICHLOROETHYLENE)*	>99%	0.180	0.0010
1,1,2,2- TETRACHLOROETHANE*	>99%	0.081	0.001
TETRACHLOROETHYLENE*	>99%	0.081	0.001
TOLUENE (Methylbenzene)*	>99%	0.078	0.001
TOXAPHENE	>92.9%	0.015 +/- 10%	0.003
Toxoplasma (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
2,4,5-TP (Silvex)*	99%	0.270	0.0016
TRIBROMOACETIC ACID*	98%	0.042	0.001
1,2,4 TRICHLOROBENZENE (Unsymtrichlorobenzene)*	>99%	0.160	0.0005
1,1,1-TRICHLOROETHANE (1,1,1-TCA)*	95%	0.084	0.0046
1,1,2-TRICHLOROETHANE*	>99%	0.150	0.0005
TRICHLOROETHYLENE (TCE)*	>99%	0.180	0.0010
TRIHALOMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)	>99.8%	0.300 +/- 0.30	0.015
TURBIDITY	>99%	11 +/- 1 NTU	0.5 NTU
Unsym-Trichlorobenzene (see 1,2,4-TRICHLOROBENZENE)*	>99%	0.160	0.0005
Vinylbenzene (see STYRENE)*	>99%	0.150	0.0005
XYLENES (TOTAL)*	>99%	0.070	0.001

X. Performance Data Sheet (continued)

NSF/ANSI 42 - Aesthetic Effects

The System has been tested according to NSF/ANSI Standard 42 for the reduction of the following substances. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system.

Substance	Percent Reduction**	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
CHLORAMINE as Aesthetic Effect (As Monochloramine)	>97%	3.0 mg/L +/- 10%	0.5 mg/L
CHLORINE as Aesthetic Effect	99%	2.0 Mg/L +/- 10%	> or = 50%
PARTICULATE, (Nominal Particulate Reduction, Class I, Particles 0.5 TO <1 UM	Class I > 99%	At Least 10,000 particles/mL	> or = 85%

NSF/ANSI 53 - Health Effects

Multipure's **MP880SC** has been tested according to NSF/ANSI Standard 53 for the reduction of the above substances as well as Arsenic V. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system.

Substance	Percent Reduction**	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration
ARSENIC (pentavalent As (V); As (+5); arsenate @ 6.5 pH	>99.9%	0.050 +/- 10%	0.010
ARSENIC (pentavalent As (V); As (+5); arsenate @ 8.5 pH	>95.8%	0.050 +/- 10%	0.010

Note: This addresses the U.S. Environmental Protection Agency (EPA) Primary and Secondary Drinking Water Regulations in effect at its time of publication, they relate to Multipure's performance in conformance to the industry performance criteria. These regulations are continually being updated at the Federal level. Accordingly, this list of MCLs will be reviewed and amended when appropriate. Please see sales brochure for list of product certifications.

NOTES:

1. Multipure Drinking Water Systems have been certified, as indicated, by NSF International for compliance to NSF/ANSI Standard Nos. 42 & 53.
2. The Multipure Drinking Water Systems have been certified by the State of California Department of Public Health for the reduction of specific contaminants listed herein.
3. Chloroform was used as a surrogate for claims of reduction of VOCs. Multipure Systems tested at >99.8% actual reduction of Chloroform. Percent reduction shown herein reflects the allowable claims for VOCs as per tables in the Standard.
4. **Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.**
5. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the unit's rated capacity has been reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
6. Multipure Drinking Water System STAINLESS STEEL Housings are warranted for a lifetime (provided that filter has been changed at least once per year). All exterior hoses and attachments to the System are warranted for one year. Please see the Owner's Manual for complete product guarantee and warranty information.
7. Please see the Owner's Manual for installation instructions and operating procedures.
8. In compliance with New York law, it is recommended that before purchasing a water treatment system, NY residents have their water supply tested to determine their actual water treatment needs. Please compare the capabilities of the Multipure unit with your actual water treatment needs.
9. Check for compliance with state and local laws and regulations.
10. While testing was performed under standard laboratory conditions, actual performance may vary.
11. The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.

Operational Specifications	MP750SC	MPCT	MP880SC
Approximate Service Capacity	750 gallons	750 gallons	600 gallons
Replacement Filter Type	CB6	CB6	CB11As
Approximate Flow Rate @ 60 psi	0.75 gpm	0.75 gpm	1.0 gpm
Maximum Water Pressure	100 psi/7.0 kg/cm2	100 psi/7.0 kg/cm2	100 psi/7.0 kg/cm2
Minimum Water Pressure	30 psi/2.1 kg/cm2	30 psi/2.1 kg/cm2	30 psi/2.1 kg/cm2
Maximum Operating Temperature	100°F/38°C for cold water use only	100°F/38°C for cold water use only	100°F/38°C for cold water use only
Minimum Operating Temperature	32°F/0°C	32°F/0°C	32°F/0°C

Facts About Arsenic

(in compliance with NSF/ANSI Standard)

Arsenic (abbreviated As) is a naturally occurring contaminant found in many ground waters. Arsenic in water has no color, taste or odor. It must be measured by a lab test. Public water utilities must have their water tested for arsenic. You can get the results from your water utility. If you have your own well, you can have the water tested. The local health department or the state environmental health agency can provide a list of certified labs. The cost is typically $15 to $30. Information about arsenic in water can be found on the Internet at the U.S. Environmental Protection Agency website: www.epa.gov/safewater/arsenic.html.

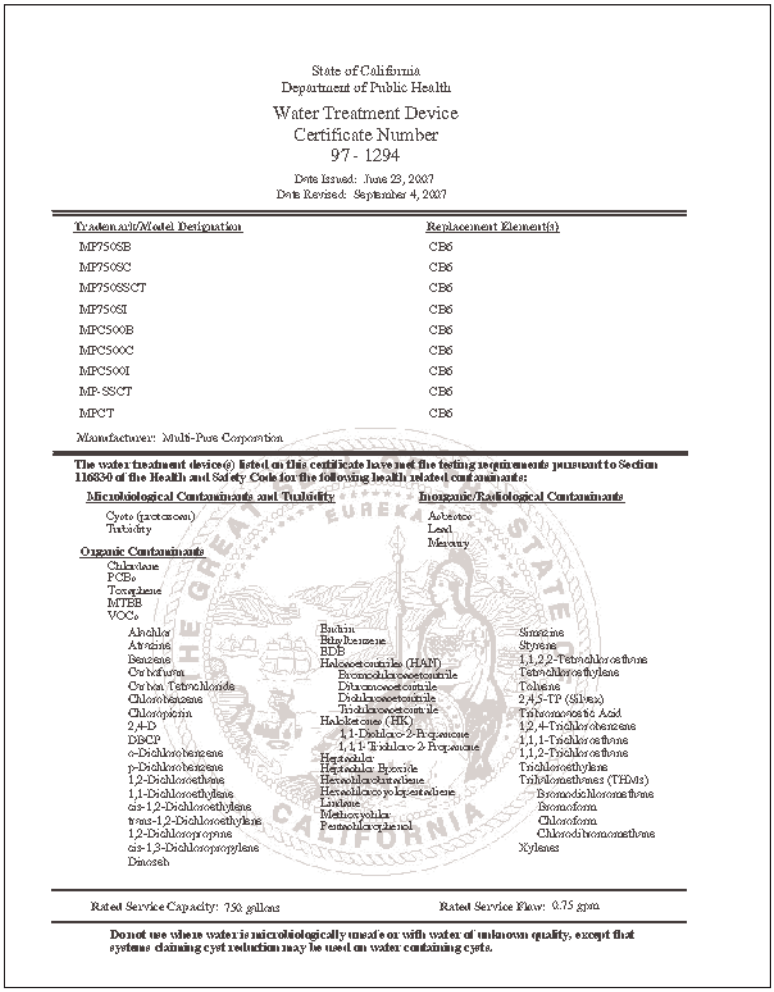
There are two forms of arsenic: pentavalent arsenic (also called As(V), As(+5), and arsenate) and trivalent arsenic (also called As(III), As(+3), and arsenite). In well water, arsenic may be pentavalent, trivalent, or a combination of both. Special sampling procedures are needed for a lab to determine what type and how much of each type of arsenic is in the water. Check with the labs in your area to see if they can provide this type of service.

Specially formulated Carbon Block systems are very effective at removing pentavalent arsenic. A free chlorine residual will rapidly convert trivalent arsenic to pentavalent arsenic. Other water treatment chemicals such as ozone and potassium permanganate will also change trivalent arsenic to pentavalent arsenic. A combined chlorine residual (also called chloramine) may not convert all the trivalent arsenic. If you get your water from a public water utility, contact the utility to find out if free chlorine or combined chlorine is used in the water system.

The Multipure **MP880SC** are designed to remove only pentavalent arsenic. It will not convert trivalent arsenic to pentavalent arsenic. The system may remove some trivalent arsenic, however, it has not been evaluated for its ability to remove trivalent arsenic. The system was tested in a laboratory to remove pentavalent arsenic. Under lab conditions, as defined in ANSI/NSF Standard 53, the system reduced 0.050 mg/L (ppm) pentavalent arsenic to 0.010 mg/L (ppm) (the U.S. EPA standard for drinking water) or less. The performance of the system may be different at your installation. Have the treated water tested for arsenic to check if the system is working properly.

The Carbon Block filter component of the Multipure **MP880SC** unit must be replaced as indicated in this Owner's Manual to ensure the system will continue to remove arsenic and other contaminants.

XI. California Department of Public Health Certification / Registration



State of California
Department of Public Health

Water Treatment Device
Certificate Number
97 - 1294

Date Issued: June 23, 2007
Date Revised: September 4, 2007

Trademark/Model Designation	Replacement Element(s)
MP750SB	CB6
MP750SC	CB6
MP750SSCT	CB6
MP750SI	CB6
MPC500B	CB6
MPC500C	CB6
MPC500I	CB6
MP-SSCT	CB6
MPCT	CB6

Manufacturer: Multi-Pure Corporation

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

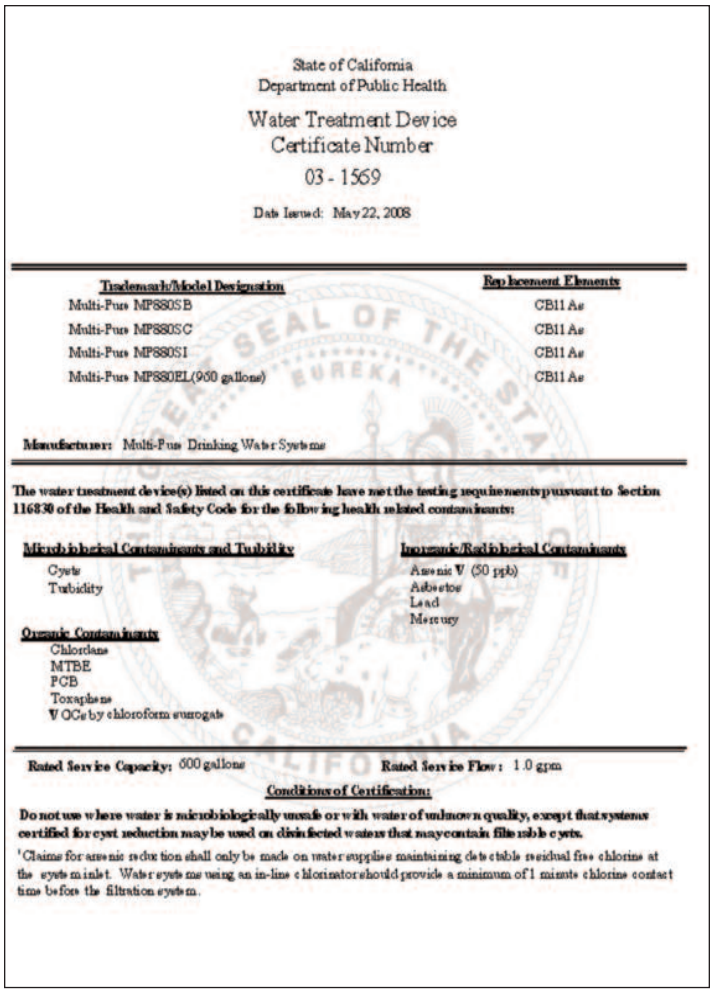
Microbiological Contaminants and Turbidity
Cysts (pretreated)
Turbidity

Inorganic/Radiological Contaminants
Asbestos
Lead
Mercury

Organic Contaminants
Chlordane
PCBs
Toxaphene
MTBE
VOCs
Alachlor
Atrazine
Benzene
Carbofuran
Carbon Tetrachloride
Chlorobenzene
Chloropicrin
2,4-D
DBCP
o-Dichlorobenzene
p-Dichlorobenzene
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropylene
Dinoseb
Endrin
Ethylbenzene
HDB
Haloacetonitriles (HAN)
Bromochloroacetonitrile
Dibromoacetonitrile
Dichloroacetonitrile
Trichloroacetonitrile
Haloketones (HK)
1,1-Dichloro-2-Propanone
1,1,1-Trichloro-2-Propanone
Heptachlor
Heptachlor Epoxide
Hexachlorobutadiene
Hexachlorocyclopentadiene
Lindane
Methoxychlor
Pentachlorophenol
Simazine
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
2,4,5-TP (Silvex)
Trihalomethanes (THMs)
Bromodichloromethane
Bromoform
Chloroform
Chlorodibromomethane
Xylenes

Rated Service Capacity: 750 gallons
Rated Service Flow: 0.75 gpm

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems claiming cyst reduction may be used on water containing cysts.



State of California
Department of Public Health

Water Treatment Device
Certificate Number
03 - 1569

Date Issued: May 22, 2008

Trademark/Model Designation	Replacement Elements
Multi-Pure MP880SB	CB11As
Multi-Pure MP880SC	CB11As
Multi-Pure MP880SI	CB11As
Multi-Pure MP880EL(960 gallons)	CB11As

Manufacturer: Multi-Pure Drinking Water Systems

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity
Cysts
Turbidity

Inorganic/Radiological Contaminants
Arsenic V (50 ppb)
Asbestos
Lead
Mercury

Organic Contaminants
Chlordane
MTBE
PCB
Toxaphene
VOCs by chloroform surrogate

Rated Service Capacity: 600 gallons
Rated Service Flow: 1.0 gpm

Conditions of Certification:

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

[1]Claims for arsenic reduction shall only be made on water supplies maintaining detectable residual free chlorine at the system inlet. Water systems using an in-line chlorinator should provide a minimum of 1 minute chlorine contact time before the filtration system.

XII. Troubleshooting

Problem	Cause	Remedy
Taste/Odor (general)	The carbon block filter may become saturated with the taste and odors it adsorbs.	Change the filter
Rotten egg odor	Typically a sign of H2S (hydrogen sulfide) gas which can occur at any time.	It is recommended that you keep two filter cartridges on hand. When one becomes saturated with odor, remove it and allow it to dry upside (threaded-hole) down on a paper towel. The sulfur gas will dissipate, allowing the cartridge to be reused. Rotating cartridges in this manner will, in some cases, help extend the life of the filter.
Odor & odd color on cartridge	H2S (hydrogen sulfide) caused by iron (orange/brownish), manganese (blackish), and/or decaying organisms (slimy/blotchy colors) can cause rotten egg-type odor.	Change of filter cartridge is the only recommended course of action.
"Milky" color in water	Higher than normal water pressure through the System will create small bubbles. Air bubbles do not effect the performance of the system. Air can be trapped inside the lid of the housing.	For a countertop installation, turn on the water and engage the diverter valve while reducing the water flow slightly. For a below the sink installation, adjust the water pressure at the feedwater adapter below the sink. Turn on the ledge faucet or diverter valve and let water run for 3 to 5 minutes after installation or filter change.
Flow rate is slow	Solids: The filter is designed to become restricted in its flow rate when the filter becomes clogged with particulate and other contaminants. When your water flow rate slows to the point that it is inconvenient to use, it is time to change your filter.	It is recommended that filters be replaced at least every twelve months or when its capacity is reached, whichever comes first. If water pressure is too low, adjust water pressure to 60 psi. If other faucets or sprinklers are on turn off other running water.
Water dripping from faucet assembly	Adjustment of water flow is needed.	Below sink units - remove the faucet handle by first removing the spout (pull straight up) and then slide the handle off the faucet base. Then turn the small t-bar about one half turn to tighten the faucet assembly.
Water is black	Carbon dust	Allow water to run through the unit to waste for approximately 20 minutes to flush the filter and charge the carbon.

Maintenance Problems

Flushing / disinfecting the unit housing:
Multipure recommends that you not allow water to sit in a unit for extended periods of time without it being used. If a unit is left unused for more than 10 days, it may need to be flushed/disinfected before you resume use.

To flush a unit that may be contaminated:

1. Confirm that water is turned off to the unit.
2. Relieve the water pressure (if below sink unit) by opening the unit faucet.
3. Remove and discard the used filter.
4. Clean & rinse out the inside of the housing.
5. Add 5 to 7 drops of bleach, such as Clorox™ or Purex™ (5 ¼% sodium hypochlorite) to the bottom canister.
6. Reconnect the housing top and bottom without the replacement filter.
7. Turn on water and let unit housing fill up with the water/bleach solution.
8. Allow unit to soak for at least 30 minutes.
   a. Countertop Units: To disinfect the spout, place your finger over the tip of the spout and turn the unit upside down. Repeat this procedure 2 or 3 times during the 30-minute soak period.
   b. Below Sink Units: To disinfect the faucet spout, remove the spout and place it in a container with one-quart of water and bleach (use 5 drops of bleach) and allow to soak for 30 minutes.
9. After the housing has soaked for 30 minutes, disassemble the top and bottom and pour out the water/bleach solution. Rinse out the inside of the housing.
10. Replace the filter (cartridge) following the instructions with the new filter.
11. Follow the instructions with the replacement filter for reconnecting and flushing your unit.

Stuck / Sticking Diverter Valve: Normally caused by a mineral (calcium) buildup around the diverter lever. There are two methods for solving this problem (Vegetable Oil or Vinegar).

Vegetable Oil (Using vegetable oil to lubricate the diverter valve does not dissolve the mineral deposits which build up and cause the sticking; thus it will be necessary to repeat this procedure from time to time)

1. Unscrew diverter valve from faucet.
2. Pour a little vegetable oil in the inlet hole.
3. Push the diverter valve lever in/out several times to lubricate it thoroughly.
4. Replace diverter valve on faucet.

Vinegar (Using vinegar to dissolve the mineral deposits may cause discoloration)

1. Unscrew diverter valve from faucet.
2. Soak diverter valve in vinegar for 10 minutes.
3. Rinse and replace diverter valve on faucet.

If these methods don't work, it may be necessary to replace the diverter valve. Please contact Multipure Customer Service at 800.622.9206 for assistance.

Diverter Stem Stuck (If diverter stem is not operating properly - sticking)

1. Disconnect diverter valve from faucet.
2. Push lever in and out -- if you can push the lever easily, there was air in the tubing.
3. Reconnect diverter valve.

XIII. Questions and Answers

Question	Answer	Comments
Will low pH or acid water affect the Multipure filter?	No.	Mineral components expressed as acidity and alkalinity determine pH. Neutrality is 7; below 7 is acidity; above 7 is alkalinity.
Does deionized water or soft water have any affect on Multipure water?	No.	N/A
Can the Multipure System be connected to an automatic ice-maker?	The below sink models can be connected to both your sink and refrigerator, to any type of water dispenser or ice-maker. You can use the same unit installed under your sink to also filter the water at your refrigerator.	To connect a single Drinking Water System to both your sink and refrigerator, request an "ice-maker tee" (MC445) on the order form.
Can the Multipure System be used during an emergency or when the water is turned off?	Yes, you can hand pump or siphon water through the Multipure System during an emergency. CAUTION -- the Multipure System is not intended to be used where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit.	If water source is questionably contaminated, it should be disinfected prior to use. Add ¼ tsp of household bleach per gallon of water; the Multipure System will remove this solution from the water. Hand pump kits (D600) are available from Multipure.
What causes "white" particles to appear in Multipure water when it is frozen or boiled?	The natural minerals in the Multipure water solidify when the water is frozen, and those minerals appear as white flakes or specks when the ice melts.	Natural minerals are beneficial to good health and their existence in drinking water (in normal quantities) should not cause any alarm. Minerals can be removed by Reverse Osmosis technology, which is also available from Multipure on request.
Why does the Multipure System reduce Volatile Organic Chemicals, but not natural minerals?	Minerals are totally dissolved in solution and do not have an actual physical size; thus, the minerals pass through the filter unchanged.	The materials used in Multipure Drinking Water Systems are specially selected for their ability to react with the chemicals in the water, but not with natural minerals that are beneficial to good health.
Should sediment be removed with a standard filter first?	In areas with excessive sedimentation, prefiltration will help extend the operational efficiency of the Multipure cartridge; however, in most areas this is not necessary.	The Multipure System contains a double filter. The outside material is a prefilter that helps protect the solid carbon block surface from prematurely clogging with large sediment.
Why is the compressed activated carbon block filtration system more efficient than activated carbon (loose granular) systems?	Multipure's solid carbon block filters are compacted into a dense structure causing every molecule of water to be forced through microscopic pores of carbon, effectively reducing a wide range of contaminants of health concern, as well as adsorbing tastes and odors and removing particulate matter removed by typical activated carbon filters.	The Water Quality Association reports that "an activated carbon filter can reduce organics and solid particles, as well as offensive tastes and odors." Only precoat and solid carbon block filters are engineered to provide 0.5 micron mechanical filtration.
What is the difference between a "water softener" and the Multipure Drinking Water System?	Softeners are not used to treat drinking water; they are used only to change the water hardness. Softeners put sodium into the water in exchange for magnesium or calcium ions. Multipure Drinking Water Systems do not remove dissolved minerals, so, the pH is not changed. Natural minerals most often found in water are considered to be essential to good health.	Soft water is good for bathing and laundering and may extend the life of hot water heaters and boilers. However, soft water should not be used for watering plants or lawns. It is recommended that you bypass a water softener when installing your Multipure Drinking Water System.
Can the Multipure System be used on untreated water?	If water source is questionable, it should be disinfected prior to use. Add ¼ tsp of household bleach per gallon of water; the Multipure System will remove this solution from the water. Consult your nearest public water utility for assistance or guidelines on proper treatment of untreated water.	Multipure Systems are designed to be used on treated water systems; they are not intended to be used where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. Systems certified for cyst reduction may be be used on disinfected waters that may contain filterable cysts.

For instructions in Spanish, please turn the manual over.

Be sure to replace your filter at least once a year, or sooner if needed.

Date of Installation:_____
Fecha de Instalación

Unit Model Number:_____
Tipo de Unidad

Filter Type:_____
Tipo de Filtro

Dates of Filter Change / *Fechas de Cambio del Filtro*

_____

_____

_____

_____

_____

_____

_____

To order a Replacement Filter

Call 800.622.9208

or

www.multipure.com/rf.html

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